

## CERTIFICATE OF ANALYSIS

<b>Certificate Number</b>	B830854 [R00]	<b>Page</b>	1/2	<b>ABN: 82 079 645 015</b>
<b>Client</b>	Cool Off	<b>Registering Laboratory</b>	Brisbane	
<b>Contact</b>	Derrick Addison	<b>Contact</b>	Customer Service Team	
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<b>Order Number</b>	---	<b>Telephone</b>	1300 703 166	
<b>Job Description</b>	Water	<b>Date Samples Received</b>	27/09/2019	
<b>Client Job Reference</b>	---	<b>Date Analysis Commenced</b>	27/09/2019	
<b>No. of Samples Registered</b>	1	<b>Issue Date</b>	04/10/2019	
<b>Priority</b>	Normal	<b>Receipt Temperature (°C)</b>	5.1	
		<b>Storage Temperature (°C)</b>	4	



Accreditation No: 2455  
Accredited for compliance  
with ISO/IEC 17025 - Testing

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### Definitions

<: Less Than	>: Greater Than	RP: Result Pending	~: Estimated	MPN: Most Probable Number	CFU: Colony Forming Units	---: Not Received/Not Requested
^ Subcontracted Analysis	NA: Not Applicable	[NT]: Not Tested	LOR: Level of Reporting	TBA: To Be Advised	ND: Not Detected	
\* Test not covered by NATA scope of accreditation	# Result derived from a calculation and includes results equal to or greater than the LOR					

### Authorised By

Name	Position	Accreditation Category
Hongmei Kuang	Chemistry Laboratory Manager, Brisbane	Environmental and Food Chemistry

### Sample Information - Client Supplied

Sample ID	Sample Description	Sample Matrix
B830854/1	Waste Water Sample# 4497	Water - General

### Analytical Results

Compound/Analyte	Method	LOR	Units	B830854/1
Total Kjeldahl Nitrogen	EFF001 - Nitrogen (Total Kjeldahl) in Water/Effluent	1	mg/L	340
Nitrate (as N)	EFF004.1 - Nitrate-Nitrogen in Water/Effluent FIA	0.005	mg/L	<0.1
Nitrite (as N)	EFF005.1 - Nitrite N in Water by FIA	0.005	mg/L	<0.1
pH	EFF006 - pH in Water/Effluent	---	pH Unit	5.94
Electrical Conductivity	EFF007 - Electrical Conductivity in Water	5	µS/cm	2000
Solids (Suspended)	EFF009 - Suspended Solids in Water	1	mg/L	2600
Chloride	EFF011 - Chloride in Water	2	mg/L	230
Fluoride	EFF015 - Fluoride in Water	0.05	mg/L	0.23
Sulphate	EFF016 - Sulphate in Water	5	mg/L	210
Oil & Grease	EFF021 - Oil & Grease (Gravimetric) in Water	2	mg/L	405
BOD (5day)	EFF023 - BOD in Water	2	mg/L	4000
Total Phosphorus	EFF029.1 - Total N & P in Water by FIA	0.01	mg/L	34
Bicarbonate	EFF031 - Alkalinity as CaCO <sub>3</sub> in water	1	mg/L CaCO <sub>3</sub>	505.6
Dissolved salts (Salinity) #	EFF041 - Salinity Calculation	5	mg/L	1300
Nitrogen (Total) #	EFF085 - Nitrogen (Total) in Water/Effluent	1	mg/L	340
Solids (Total)	EFF008 - Total Solids in Water	1	mg/L	4400
Magnesium (Dissolved)	EWI01 - Dissolved metals in Water by ICPOES	0.05	mg/L	11

## Analytical Results

Compound/Analyte	Method	LOR	Units	B830854/1
Calcium (Dissolved)	EWI01 - Dissolved metals in Water by ICPOES	0.1	mg/L	45
Residual Alkalinity	EFF031 - Alkalinity as CaCO <sub>3</sub> in water	1	meq/L	2
Alkalinity Bicarb (CaCO <sub>3</sub> )	EFF031 - Alkalinity as CaCO <sub>3</sub> in water	1	mg/L	506
Alkalinity Carbonate (CaCO <sub>3</sub> )	EFF031 - Alkalinity as CaCO <sub>3</sub> in water	1	mg/L	<1
Alkalinity Hydroxide(CaCO <sub>3</sub> )	EFF031 - Alkalinity as CaCO <sub>3</sub> in water	1	mg/L	<1
Alkalinity Total (CaCO <sub>3</sub> )	EFF031 - Alkalinity as CaCO <sub>3</sub> in water	1	mg/L	506
Potassium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	0.2	mg/L	69
Calcium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	0.1	mg/L	67
Magnesium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	0.05	mg/L	12
Sodium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	1	mg/L	170
Boron (Total)	EWM02 - Total metals in water by ICPMS	0.005	mg/L	0.22

## Analysis Location

All in-house analysis was completed by Symbio Laboratories - Brisbane.

## Report Comments

Laboratory results for pH, chlorine or dissolved oxygen are for information purpose only - testing conducted outside recommended storage time of 0.25hr from sampling.